



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

cc: Adele C
Carol E
Steve V
Shirley A.
David B.

FEB -4 2008

OFFICE OF
ENFORCEMENT AND
COMPLIANCE ASSURANCE

Albert Y. Huang, Esq.
Natural Resources Defense Council (NRDC)
40 West 20th Street
New York, N.Y. 10011

Albert
Dear Mr. Huang:

Thank you for your email inquiry of October 4, 2007, regarding the Alternative Asbestos Control Method (AACM). As you indicate, the Environmental Protection Agency's (EPA) Office of Research and Development (ORD) is working with Region 6 and other EPA offices to investigate the effectiveness of an alternative technology for the demolition of asbestos-containing buildings. I appreciate your bringing these concerns to my attention. Since receiving your letter, my staff in the Office of Environmental Justice (OEJ) has looked into the concerns raised in your email. I am happy to share our findings about the development of the AACM research activities to date. I hope this will clarify some points of interest to you.

First, EPA is not currently pursuing rulemaking activities involving the AACM. The Agency continues to study whether the AACM protocol provides equivalent environmental protection to the NESHAP for a range of asbestos-containing materials and building/site configurations. Only after the scientific investigations and associated external peer reviews from all studies have been completed, will the Agency consider potential policy options.

Second, EPA staff and managers involved with the project emphasize that there is no intent to "gut" the NESHAP requirements. The purpose of the project is to determine whether an alternative demolition method, as protective of human health and the environment as the NESHAP, is available. It is envisioned that the AACM would serve as an alternative demolition method in specific, limited situations thereby allowing communities to remove blighted structures that have become crime centers and eyesores in their neighborhoods more efficiently and, perhaps, at less cost.

As I understand, the AACM requires the removal of specific types of asbestos-containing material (ACM) before demolition, and uses amended water (i.e., water that contains a product that is similar to dishwashing detergent) during and after demolition. All asbestos-containing waste materials that are generated at the demolition site will be contained, collected, and disposed of at an asbestos landfill in accordance with the existing NESHAP requirements. In addition, affected soil will be collected and disposed of at an asbestos landfill and the wastewater will be contained, collected, and disposed of at a sanitary sewer. Currently, its potential application is viewed as limited to buildings one-to-three stories tall. Ultimately of course, this will be controlled to some degree by the results of the scientific investigations and subsequent external peer reviews. EPA targeted three demonstration projects for the AACM process, each studying the effectiveness of the method on a different type of asbestos material and slightly different buildings configurations.

All three demolitions are now complete, with the third project having been completed on December 17, 2007.

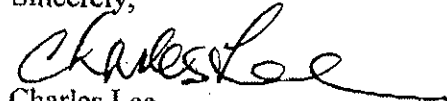
You forwarded to me a copy of the peer review report from the first AACM demonstration project. I think it is positive to note that the Agency has sought external peer review on the AACM method. The Agency commissioned an external peer review of the Quality Assurance Project Plan for the method before the first test, as well as peer review of the data from the first demonstration project. (That project compared the AACM method with the full NESHAP method on two side-by-side buildings that were nearly identical architecturally.) The Agency has also committed to conducting an external peer review of the results of Demolition #2 and Demolition #3. Detailed information in this regard is available on the Region 6 Web site at: <http://www.epa.gov/region06/6xa/asbestos.htm>.

You mentioned that the peer review report on Demonstration #1 raises a number of health and EJ concerns. I understand that many of the suggestions from that peer review report were incorporated into additional tests of the protocol. ORD is preparing its formal response to the peer review comments on Demolition #1, and that report will be made available very shortly on the Region 6 Web site noted above.

Your email also mentions demolition activities as part of the Hurricane Katrina response activities. OEJ understands that EPA's work to assist with Louisiana's post-Katrina activities is separate from the on-going work by ORD on the AACM. It is appropriate for the Office of Enforcement and Compliance Assistance (OECA) to consider no action assurances in situations like post-Katrina Louisiana, where severe storm damage leaves entire neighborhoods in need of special attention and assistance from all levels of government. OECA has reached out to the National Environmental Justice Advisory Committee (NEJAC) for advice on the Agency's Katrina response. The Agency has begun to implement several of the NEJAC's suggestions, particularly by incorporating an environmental justice function into the national Incident Command System.

If you have further questions concerning the AACM, I would strongly encourage you to speak directly with the project leads – Roger Wilmoth of ORD (513-569-7509), and Adele Cardenas-Malott of Region 6 (214-665-7210) – or speak with Larry Starfield, the Deputy Regional Administrator of Region 6 (214-665-2100). I have worked with Larry on EJ issues for many years, and I believe you will find Larry and the others to be very open to discussing any concerns you have. I know that Larry has been reaching out to EJ leaders in several states, in order to identify possible EJ issues that may be associated with the AACM project. I am sure that he would welcome the chance to speak with you. If it would be helpful, I would be happy to set up such a meeting.

Sincerely,



Charles Lee

Director

Office of Environmental Justice

cc: Granta Y. Nakayama, Assistant Administrator, OECA
Lynn Buhl, Deputy Assistant Administrator, OECA
Lawrence E. Starfield, Deputy Administrator, EPA-Region 6

AACM- Dana Brown

Adele
Cardenas/R6/USEPA/US
02/05/2008 09:26 AM

To Wilmoth.Roger@epamail.epa.gov,
Gray.David@epamail.epa.gov,
Vargo.Steve@epamail.epa.gov,

cc

bcc

Subject Fw: EPA Meeting - Question Discussion

FYI- Adele

----- Original Message -----

From: [dbrown@gebco.org]

Sent: 02/05/2008 07:46 AM CST

To: Adele Cardenas

Cc: <william_kamela@help.senate.gov>; "'Ron Dodson'" <ron@ericonsulting.com>;
<dokell@houston.rr.com>; <fredy-pet@houston.rr.com>; <webber@wadsworth.com>;
<tom.laubenthal@atcassociates.com>; "'Ben DuBose'" <BDUBOSE@BARONBUDD.COM>;
<investigate@mac.com>; <tom.laubenthal@atcassociates.com>;
<michaelbreu@hotmail.com>; <mebeard@rti.org>; <dnicodemus@amalab.com>;
<DougBrown@gebco.org>; <plaman@gebco.org>; <ted.wyman@dshs.state.tx.us>;
<baugh@LCAenvironmental.com>; <si3@earthlink.net>; <AndyObe@aol.com>;
<BKynoch@kynoch.com>; <CHAWES@WFAA.COM>; <baugh@LCAenvironmental.com>;
<todd.jewell@verizon.net>

Subject: RE: EPA Meeting - Question Discussion

Ms. Marlott,

I look forward to getting the information as well. Most of what I am asking for can be sent in records. As you and others know I already have a FOIA request that is not being answered, and that request is incorrectly being classified a "commercial Use" which is beyond belief. I should be able to get direct answers from the agency to the simple questions as "who is responsible for national asbestos policy in EPA? Who was on the NEHSAP proposed rulemaking workgroup? How did this all come about in direct violation of administrative procedures regulations, and the "Public Participation Policy". Google "Public Participation Policy" and EPA and you will get the 2003 version of this "policy. The AACM "research" and the especially the proposed rulemaking violated all of it. Of course it is not a law, but it is required to be complied with, including the inclusion of "stakeholders" and "affected parties" to the legislation, regulation, policy, and research.

I did not hear back from you yesterday. I am very booked up during the day as GEBCO is a training facility, and training means I have to be in class. We have asbestos refresher classes next week, you (and ANY EPA official) would be welcomed to present a small portion on "new things" to the class. Please bring along the EPA Region 6 NESHP coordinator as well. It has been a long time since we have had anyone from EPA in class, it would be refreshing to actually interact with someone living and breathing from EPA when carrying out and complying with their regulations. We could give you an half an hour to 45 minutes. "New asbestos issues" are actually required in the refreshers in accordance with the MAP and the TAHP. Monday through Wednesday, February 11-13. IT would be Contractor Refresher on Monday, Texas AMT in the morning of Tuesday, and the Inspector MP refresher on Wednesday. We could also meet any of those days or the following Thursday or Friday.

I look forward to your response.

Dana Brown
GEBCO Associates

-----Original Message-----

From: Cardenas.Adele@epamail.epa.gov [mailto:Cardenas.Adele@epamail.epa.gov]

Sent: Monday, February 04, 2008 12:37 PM

To: dbrown@gebco.org

Cc: william_kamela@help.senate.gov; 'Ron Dodson'; dokell@houston.rr.com;
fredy-pet@houston.rr.com; webber@wadsworth.com;
tom.laubenthal@atcassociates.com; 'Ben DuBose'; investigate@mac.com;
tom.laubenthal@atcassociates.com; michaelbreu@hotmail.com; mebeard@rti.org;
dnicodemus@amalab.com; DougBrown@gebco.org; plaman@gebco.org;
ted.wyman@dshs.state.tx.us; baugh@LCAenvironmental.com; si3@earthlink.net;
AndyObe@aol.com; BKynoch@kynoch.com; CHAWES@WFAA.COM;
baugh@LCAenvironmental.com; todd.jewell@verizon.net
Subject: EPA Meeting - Question Discussion

Dear Mr. Brown,

I will be contacting you later today to schedule a face to face meeting with me to discuss your questions that you have proposed to the Agency. We look forward to speaking with you in person very soon. Appreciate your assistance.

Thanks,
Adele Cardenas Malott, P.E.
Asbestos NESHAP Program

Manager

(214) 210 - Office

AACM - Dan Brown

Adele
Cardenas/R6/USEPA/US
01/31/2008 08:34 AM

To Starfield.Lawrence@epamail.epa.gov,
Edlund.Carl@epamail.epa.gov,
Vargo.Steve@epamail.epa.gov,

cc

bcc

Subject Fw: AACM Inclusion into the NESHP

FYI - no end.....

----- Original Message -----

From: [dbrown@gebco.org]

Sent: 01/31/2008 07:52 AM CST

To: Adele Cardenas; Steve Page; Penny Lassiter; Peter Tsirigotis

Cc: <william_kamela@help.senate.gov>; "'Ron Dodson'" <ron@ericonsulting.com>;

<dokell@houston.rr.com>; <fredy-pet@houston.rr.com>; <webber@wadsworth.com>;

<tom.laubenthal@atcassociates.com>

Subject: AACM Inclusion into the NESHP

Adele,

The statement that the EPA is not going into rulemaking change is good news, which I am happy to hear the statement IS in the Federal Register, and the explanation really strains credibility. Pardon me for being skeptical, but the very reason to have the record published in the Federal Register is to inform the public of the agencies activities, and to update on the ongoing activities so the public can comment. This particular "glitch" simply violates the Administrative Procedure act on public notification requiring the publishing of agency activities that is "accurate and up to date".

Simply put, your process then violates the required public notification that is an inconvenient and misinforming action to the public the public, so a database can work for the convenience of the agency. By the way the it appears as if the EPA does not know what is going on, as your quote in the Fort Worth Weekly December 19, 2007:

"Cardenas Malott said that the peer review panel raised concerns about the agency moving too fast because the EPA has already proposed a rule change that could allow the new method even though testing is incomplete. That was done, she said, because the rulemaking process takes years."

We now know that this summer there was rulemaking efforts and there WAS in fact a workgroup working on a NESHP change for inclusion on the AACM. I want to know who was on the workgroup. According to the rulemaking process at on the EPA website:

<http://www.epa.gov/lawsregs/brochure/index.html>

<http://www.epa.gov/lawsregs/brochure/developing.html>

"EPA's Regulatory Policy Officer (RPO) must authorize them to start work. EPA's RPO is the Deputy Administrator."

So did this person withdraw the regulation, and if they did, that also has to be announced in the Federal Register. I wasted a lot of time and effort looking for items and no one said otherwise. I must have emailed half of

the world, and NOW it comes out, that there is no rulemaking effort.

Pardon me but I simply am more skeptical of this than that. I think this misadventure got outed, and found to be highly irregular if not outright illegal, and then manufactured this way to "explain it all away" as merely an "operational database glitch".

So if there is no rulemaking going on, the AACM is a moot point. Why was the money wasted on the so called "research" and why did EPA bend all the rules to travel to Fort Worth to expose the public to asbestos in an experimental demonstration that no hopes of making an impact on a rule change?

I will be waiting for an answer, I don't expect to get one, but I will be wanting it explained, and expecting this to be explained. EPA might also want to appoint a National Asbestos Policy manager to take a clear lead on this process, as apparently it leaves a lot to be desired.

In total disbelief, but
relieved, I am,

Dana Brown
Environmental Scientist
GEBCO Associates.

-----Original Message-----

From: Cardenas.Adele@epamail.epa.gov [mailto:Cardenas.Adele@epamail.epa.gov]

Sent: Wednesday, January 30, 2008 4:16 PM

To: dbrown@gebco.org

Subject: Attached Image - Regulatory Agenda Issue

Dear Mr. Brown:

Below is a copy of an email that Peter Tsirigotis from the Office of Air Quality Planning & Standards(OAQPS) submitted to his office director and to my Deputy Regional Administrator for EPA Region 6. This email addresses your concern you raised in an email dated January 6, 2008, concerning the Agency's Regulatory Agenda. If you have any additional issues or concerns, please feel free to contact me directly.

Sincerely,
Adele Cardenas Malott, P.E.
(214) 665-7210 - Office

(See attached file: 0640_001.tif)



0640_001.tif

AACM - Rulemaking



Adele
Cardenas/R6/USEPA/US
01/30/2008 04:16 PM

To <dbrown@gebco.org>
cc
bcc Lawrence Starfield/R6/USEPA/US
Subject Attached Image - Regulatory Agenda Issue

Dear Mr. Brown:

Below is a copy of an email that Peter Tsirigotis from the Office of Air Quality Planning & Standards(OAQPS) submitted to his office director and to my Deputy Regional Administrator for EPA Region 6. This email addresses your concern you raised in an email dated January 6, 2008, concerning the Agency's Regulatory Agenda. If you have any additional issues or concerns, please feel free to contact me directly.

Sincerely,
Adele Cardenas Malott, P.E.
[REDACTED] - Office



- 0640_001.tif



Peter
Tsirigotis/RTP/USEPA/US
01/24/2008 05:09 PM

To "Steve Page" <page.steve@epa.gov>
cc "Penny Lassiter" <lassiter.penny@epa.gov>, "Peter
Tsirigotis" <tsirigotis.peter@epa.gov>
Subject Asbestos NESHAP

Hi Steve. I am responding to Larry Starfield's email to you forwarding a January 14 email from Dana Brown who expressed concern that the EPA is working on a rule to incorporate the Alternative Asbestos Control Method (AACM) into the current Asbestos NESHAP. I understand that Mr. Brown's concern is a result of a Fall 2007 Regulatory Agenda entry discussing a possible November 2008, modification of the Asbestos NESHAP to include the AACM.

As background, when we initiate a potential rulemaking action, we enter it into an internal EPA tracking system. That tracking system requires that we enter an estimated rule proposal date. Any rulemaking in this tracking system is automatically published as part of the semi-annual Regulatory Agenda, regardless of whether or not the project is currently active.

Although both we and Region 6 stopped all work associated with any potential rulemaking last Summer and disbanded the Agency workgroup, we did not remove the item from our internal tracking system, and as a result, the entry was published in the Fall 2007 Regulatory Agenda. We typically do not remove projects from the tracking system at the time that we stop working on them. As we periodically review the tracking system, we remove projects that are not being worked on at the time of that review. We have now removed this project from our tracking system since the project is no longer active, and that fact will be reflected in the Spring 2008 Regulatory Agenda.

Peer Review

Richard
Greene/R6/USEPA/US
Sent by: Richard1 Greene

08/21/2008 10:29 AM

To George Gray/DC/USEPA/US@EPA, Kevin
Teichman/DC/USEPA/US@EPA
cc starfield.lawrence@epa.gov, Roger
Wilmoth/CI/USEPA/US@EPA, Adele
Cardenas/R6/USEPA/US@EPA

bcc

Subject Conduct of AACM Peer Review Panel Members

Gentlemen:

I'm not entirely sure of the rules and procedures of how the peer review panel members conduct their interaction with each other. I understand there will be conference calls, email exchanges, and face-to-face meeting(s) and that a contractor manages and facilitates this process.

It is very important that all this take place in full public view and that there is *no contact* behind the scenes or off the record between or among panel members. All discussions should be limited to the meetings, whether via electronic means or in person, and any other necessary communications among members should be in writing and available for public review.

Adele Cardenas, Region 6 coordinator of the AACM research, will attend all meetings of the peer review panel and should be included as a recipient of all electronic communications, such as email, and provided with copies of all written materials including but not limited to notes, calendars, drafts of reports, and reports.

My reasons for insisting on tight control of the conduct of the peer review panel's work are (1) the presence on the panel of a member who has produced written and oral opinions that bring into question his objectivity in participating in a scientific review of our latest test projects and (2) the unfortunate experiences we had with the first peer review panel.

Communities across the country are exposed to daily risks to their health, safety and welfare due to the presence of dangerous old structures that pose serious threats to the people of those communities. Terrible experiences with these old, abandoned buildings are documented in cities across America and thus compel us to seek a better way of dealing with this problem. EPA has five years of work and the investment of considerable amounts of taxpayers' money in carrying out research to determine if a safe alternative method of controlling the release of asbestos can be found so more of these structures can be demolished and thus resulting in safer and healthier neighborhoods. Our work should not now be compromised by doubts that an outside scientific peer review of our work would be conducted absent the highest of ethical and objective standards.

Richard Greene
Regional Administrator
US EPA Region 6
1445 Ross Avenue
Dallas TX 75202-2733

914-360-2100 Voice
914-360-2100 Mobile

Gentlemen:

I am advised today that the Agency is moving forward with the peer review of AACM tests 2 & 3. Further, I am told, the make up of the peer review panel includes at least one member who has a biased opinion of the AACM, as abundantly revealed in his written documents and public statements. His objectivity is thus

already severely compromised. His inclusion as a member of the panel could raise public doubt of the validity and genuineness of their work product.

Instructions to all members of the panel as they begin their work should emphasize the importance of impartial, fair, and objective scientific review of the reports developed by ORD of the information we have gathered in these two test projects. I would urge you to inform the peer review panel that any prejudiced judgement, speculation, or biased comments about the AACM, or any of its applications, regardless of their current commitment to the full meaning of "objectivity", are inappropriate and will be discounted by EPA in our review of their report.

If it is the intent of any member going into this assignment to derail the important AACM research, then that member should disqualify himself or herself from participation on the panel and use other avenues, such as public comment periods, to express those feelings.

I only need to cite the groundless speculation contained in the peer review report that was done on the first AACM test as an example of this process producing a useless result when the members do not remain faithful to their commitment of conducting an impartial, unbiased, and objective scientific analysis free from personal prejudice, political views, fear of adverse impacts on any direct or indirect economic interests they may have, or any other motivation not germane to their assignment.

Richard Greene
Regional Administrator
US EPA Region 6
1445 Ross Avenue
Dallas TX 75202-2733

[REDACTED] Voice
[REDACTED] Mobile

AACM- Outreach

Richard
Greene/R6/USEPA/US
Sent by: Richard1 Greene

To Adele Cardenas/R6/USEPA/US@EPA
cc starfield.lawrence@epa.gov
bcc

08/01/2008 09:22 AM

Subject Re: Fw: Meetings in Texas

Good report, I'm pleased with your continued good leadership in keeping us on schedule to finalize this report so we will have a record of what we have learned about this important research. Thanks, Adele.

Richard Greene
Regional Administrator
US EPA Region 6
1445 Ross Avenue
Dallas TX 75202-2733

[REDACTED] Voice
[REDACTED] Mobile
Adele Cardenas/R6/USEPA/US

Adele
Cardenas/R6/USEPA/US
08/01/2008 08:29 AM

To "steve vargo" <vargo.steve@epa.gov>, "Dr. Carl Edlund"
<edlund.carl@epa.gov>, "Lawrence Starfield"
<Starfield.Lawrence@epamail.epa.gov>, "Richard1 Greene"
<Greene.Richard1@epamail.epa.gov>, "Myron Knudson"
<Knudson.Myron@epamail.epa.gov>
cc "Tameka Lewis" <Lewis.Tameka@epamail.epa.gov>

Subject Fw: Meetings in Texas

FYI- Adele
Roger Wilmoth

----- Original Message -----

From: Roger Wilmoth

Sent: 08/01/2008 09:23 AM EDT

To: Patricia Erickson; Sally Gutierrez

Cc: Adele Cardenas; Patricia Schultz; Bob Olexsey; David Ferguson; Lauren

Drees

Subject: Meetings in Texas

Adele and I met this week with the following groups in Austin, Texas and briefed them on the AACM2 and AACM3 results;

1. Texas Department of State Health Services (about a dozen staffers, managers, and legal counsel)
2. Texas Department of Transportation
3. Texas Chapter of the Sierra Club (Neil Carman)
4. The Environmental Information Association (about 16 people from all over the US and Texas).

The most outstandingly positive response we got was from Neil Carman of the Sierra Club. The EIA group included the National Executive Director, Brent Kynoch, and Dana Brown, who has written the Agency litanies of infamous emails. The EIA represents individuals (asbestos consultants and training providers) whose livelihood they feel could be adversely affected by NESHAP changes, so they understandably are not advocates of change. It was a very useful and productive series of meetings.

Adele as usual was very effective at maximizing our use of time. Adele arranged the meeting with the EIA to be in LBJ's apartment in the JJ Pickle Federal Building, lime green carpet and all.

Rog

Roger C. Wilmoth, Senior Research Engineer
US Environmental Protection Agency
National Risk Management Research Laboratory
Cincinnati, Ohio 45268

Send mail to:
5786 Observation Ct
Milford, OH 45150

Phone:
Cell: [REDACTED]
Fax: 513-248-0711
Email wilmoth.roger@epa.gov

AACM-~~Other~~ ²⁻³

Lawrence
Starfield/R6/USEPA/US
07/23/2008 02:33 PM

To Pat Gaspar/R6/USEPA/US
cc
bcc

Subject Fw: Scout and AACM2 and AACM3 and status update

Pls print

Sent by EPA Wireless E-Mail Services

Adele Cardenas

----- Original Message -----

From: Adele Cardenas
Sent: 07/23/2008 09:25 AM EDT
To: "steve vargo" <vargo.steve@epa.gov>; "Dr. Carl Edlund" <edlund.carl@epa.gov>; Myron Knudson; Lawrence Starfield; "David Gray" <Gray.david@epa.gov>
Cc: Tameka Lewis
Subject: Fw: Scout and AACM2 and AACM3 and status update

FYI- Adele

Roger Wilmoth

----- Original Message -----

From: Roger Wilmoth
Sent: 07/23/2008 08:45 AM EDT
To: Patricia Erickson; Patricia Schultz; Sally Gutierrez; Annette Gatchett
Cc: David Ferguson; William Barrett; Lauren Drees; Gordon Evans; Michael Gonzalez; Bob Olexsey
Subject: Scout and AACM2 and AACM3 and status update

Adele and I briefed Mayor Greene yesterday on the fact that the AACM2 and AACM3 reports are now on the website. He was extremely complimentary to myself and our team and NRMRL's help,

Adele and I also briefed OAQPS staffers and management on the release of AACM2 and AACM3 and on the findings of AACM2 and AACM3.

This Thursday, Mayor Geene is calling Erik Winchester and Kevin Teichmann to express his feelings about the past peer review panel and to assure that we get an impartial panel for this review.

The Notice for Public Comment was released by OSP yesterday, but had an error in the web link. They are working on that.

Adele and I go to Austin next week to present separate briefings to the Texas Chapter of the Sierra Club, to a special group convened by the Environmental Information Association that are flying in from all over the country to meet with us, to the Environmental Defense Fund, to the Department of State Health Services, and to the Texas Department of Highways.

I received many reviews of both papers and incorporated comments as I felt appropriate. I received comments from Chris Kaczmarek (OGC), Keith Barnett (OAQPS), Ron Rutherford (OECA), Dave Ferguson, Bill Barrett, Lauren Drees, and Trish Erickson. I want to specifically compliment Lauren and Trish for being world class reviewers. Lauren is the best in the world and Trish a close second.

A final date has not been set for the peer review meeting. The public comment period is open for 30-days. Invariably, they will request an extension as each report is about 200 pages long, and we will need to grant one, hopefully for only 10 more days. The OSP Peer-review contractor is now culling candidates for the peer review. The peer review group must not only review the reports, but must review all the public

comments, prepare a draft report, and then have the public meeting to discuss it and to receive new comments before finalizing their review. We are guessing the public meeting will be held in mid-September in Cincinnati.

I understand that we are below empty on travel funds. We will need a couple more trips between now and October for briefings. We are doing our best to combine trips as you can see from our Texas agenda next week, but Sally promised Mayor Greene that NRMRL would provide full support to this effort.

Rog

Roger C. Wilmoth, Senior Research Engineer
US Environmental Protection Agency
National Risk Management Research Laboratory
Cincinnati, Ohio 45268

Send mail to:
5786 Observation Ct
Milford, OH 45150

Phone:
Cell: [REDACTED]
Fax: 513-248-0711
Email wilmoth.roger@epa.gov

Roger Wilmoth/CI/USEPA/US

07/15/2008 07:43 AM

To Patricia Erickson/CI/USEPA/US@EPA, Adele Cardenas/R6/USEPA/US@EPA, Carl Edlund/R6/USEPA/US@EPA, Steve

cc

bcc

Subject Status of AACM2 and AACM3

AACM3 - -

The draft report has been internally reviewed and revised, incorporating comments from Region 6, Lauren Drees, Trish Erickson, Dave Ferguson, and Bill Barrett. Comments requested from Keith Barnett (OAQPS), Chris Kaczmarek (OGC), and Ron Rutherford (OECA) have not been received and were due yesterday. Comments must be received in time for completion and submittal of the draft report next Monday to meet Mayor Greene's schedule for formal and public peer review.

AACM2 - -

The draft report is finished, awaiting refinements on the cost section from the contractor, which are due today by noon. Changes requested by Lauren, Trish, Bill, Dave, and Region 6 on AACM3 have been made to AACM2 as well. The draft report will go out today to Lauren, Dave, Trish, Sally, and Region 6, plus Ron Rutherford, Keith Barnett, and Chris Kaczmarek. The report comments must be received in time to revise the AACM2 report next Monday, to meet Mayor Greene's schedule for formal and public peer review.

OSP - -Erik Winchester expects to have everything in place this week to post the Federal Register notice next week about the availability of the reports for peer review and comment.

Rog

Roger C. Wilmoth, Senior Research Engineer
US Environmental Protection Agency, MS445
National Risk Management Research Laboratory
26 W. Martin L. King Dr.
Cincinnati, Ohio 45268

Phone:

Cell:

Office: 513-569-7509

Fax 513-569-7471

Email wilmoth.roger@epa.gov

Lawrence
Starfield/R6/USEPA/US
07/07/2008 10:29 AM

To Pat Gaspar/R6/USEPA/US
cc
bcc
Subject Fw: AACM Final Draft AACM3 - In Review w/HQ's

Pls print withOUT attachments.
Sent by EPA Wireless E-Mail Services
Adele Cardenas
----- Original Message -----

From: Adele Cardenas
Sent: 07/07/2008 10:03 AM CDT
To: Ben Harrison; Myron Knudson; Carl Edlund; John Blevins; David Eppler;
David Gray; Steve Vargo; Lawrence Starfield; Tameka Lewis
Cc: Pamela Travis
Subject: AACM Final Draft AACM3 - In Review w/HQ's

Dear Regional Team:

This is simply a copy for you to have for your record, since R6 has provided preliminary comments, if you find something that you feel needs to be changed, Please let me know and I will coordinate your changes to ORD. Comments are due either before or on Monday, July 14, 2008. Appreciate your assistance.

Thanks,
-Adele Cardenas Malott, P.E.



AACM3 Draft Final Report July 06.08.pdf

AACM

Lawrence
Starfield/R6/USEPA/US
06/12/2008 05:45 PM

To Kevin Teichman/DC/USEPA/US,
cc
bcc
Subject Fw: Asbestos Alternative Control Method -- review by SPC

Kevin,

Louise Wise called after receiving my email (below). She checked with Brian Mannix and says there was a misunderstanding. They now agree that the research on the AACM does NOT need to be tiered. We can proceed toward peer review.

One fire drill resolved.

Larry

----- Forwarded by Lawrence Starfield/R6/USEPA/US on 06/12/2008 05:46 PM -----

Lawrence
Starfield/R6/USEPA/US
06/12/2008 04:30 PM

To Louise Wise
cc Kevin Teichman/DC/USEPA/US@EPA
Subject Fw: Asbestos Alternative Control Method -- review by SPC

Louise,

I just left you a voice mail on this, and would like to speak to you.

About a year ago, we were looking at a possible rulemaking to make available the Alternative Asbestos Control Method (AACM), and accordingly, we began a tiering and action development process. We discontinued that process last September, and decided instead to work with ORD to complete a series of research tests first. If, after that research was completed, we decided to pursue a rulemaking path, we would then resume the tiering and action development process.

After completion of the first AACM Demonstration project last summer, we provided for peer review and public comment on the data; the final report was published in January of this year. We and ORD have now completed AACM Demonstration projects #2 and #3, and we are again planning to submit the results to an ORD-led peer review process and public comment. (We will also be inviting internal comments from EPA staff.)

For some reason, however, some of your staff seem to be pushing for a different process from that used on test #1 -- as indicated in the email below, they are pushing us to enter a tiering and action development process now, even though we are merely at a research-only stage. This seems premature and unnecessary.

Although the RA and Brian did talk, it was not our understanding that we were going to depart from the ORD approved process that we used with Demonstration project #1.

Please call when possible to discuss. Thanks.

Larry

----- Forwarded by Lawrence Starfield/R6/USEPA/US on 06/12/2008 03:11 PM -----

Adele
Cardenas/R6/USEPA/US

To Lesley Schaaff/DC/USEPA/US@EPA

AACM

Lawrence
Starfield/R6/USEPA/US
06/12/2008 03:10 PM

To Louise Wise,
cc Kevin Teichman/DC/USEPA/US,
bcc
Subject Fw: Asbestos Alternative Control Method -- review by SPC

Louise,

I just left you a voice mail on this, and would like to speak to you.

About a year ago, we were looking at a possible rulemaking to make available the Alternative Asbestos Control Method (AACM), and accordingly, we began a tiering and action development process. We discontinued that process last September, and decided instead to work with ORD to complete a series of research tests first. If, after that research was completed, we decided to pursue a rulemaking path, we would then resume the tiering and action development process.

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Please call when possible to discuss. Thanks.

Larry

----- Forwarded by Lawrence Starfield/R6/USEPA/US on 06/12/2008 03:11 PM -----

Adele
Cardenas/R6/USEPA/US
06/11/2008 04:22 PM

To Lesley Schaaff/DC/USEPA/US@EPA
cc Al McGartland/DC/USEPA/US@EPA,
Kime.Robin@epamail.epa.gov,
Miles-Mclean.Stuart@epamail.epa.gov, Neil
Stiber/DC/USEPA/US@EPA,
Owens.Nicole@epamail.epa.gov
Subject Re: Asbestos Alternative Control Method -- review by SPC

Leslie,

Appreciate the note, the Draft Reports for AACM#2 and AACM#3 will be posted on the Region 6 Website. ORD plans to seek an outside Peer Review Panel as was conducted for AACM#1. This process is run by ORD's Office of Science and Policy for all research that is selected. Questions about the Peer Review process should be directed to ORD. Appreciate your assistance and if you have any questions regarding this response, feel free to contact me directly.

Thanks,
Adele Cardenas Malott, P.E.

Lesley Schaaff/DC/USEPA/US



Lesley
Schaaff/DC/USEPA/US
06/11/2008 02:38 PM

To Adele Cardenas/R6/USEPA/US@EPA
cc Kime.Robin@epamail.epa.gov,
Miles-Mclean.Stuart@epamail.epa.gov, Neil
Stiber/DC/USEPA/US@EPA, Al
McGartland/DC/USEPA/US@EPA,
Owens.Nicole@epamail.epa.gov
Subject Asbestos Alternative Control Method -- review by SPC

Hello Adele -- Brian Mannix asked me to contact you. He and Mayor Greene spoke a week or so ago about the process for review of the AACM technical documents. Brian believes that the appropriate body to review these documents is the Science Policy Council's asbestos subcommittee. It is chaired by ORD and the technical support group lead for the asbestos subcommittee is Neil Stiber. Region 6 will need to tier the action through the action development process and select the SPC as the body that will review the documents. For more specific information on the Action Development Process and tiering, please contact Nicole Owens, Director of the Regulatory Management Division in OPEI. If you or the Mayor have concerns about using the SPC for this review, please feel free to contact me or Robin Kime (Brian's Chief of Staff) directly. Thanks.

Lesley Schaaff
Director, Regulatory Analysis & Policy Division
Office of Policy, Economics & Innovation
Office of the Administrator
U.S. Environmental Protection Agency
Phone: 202-564-7303
Fax: 202-564-7303
schaaff.lesley@epa.gov

AHEM / Marcus

6/5/08

NEXT ►

Charles

Marcus P. has his program review of Ad-Ship

Last one → NEATE discussion.

Then Marcus says, "do you think NEATE should be asked for advice on AHEM?"

Charles → what do you want to ask... Need clear parameters
about - It feels like want per review. ^{b/c esp. by} _{misunderstood.}

Brian Marx - championed why it's a good idea

Charles - It didn't set it up right.

What are you trying to get out of it?

Marcus - like to get a response on this -
30 days - and we ask the NEATE.
If so, options for a change.Charles - I'm disinclined - not controlling.
This will raise asbestos

⇒ risk assessment discussion.

- work practice = loss

2 → asbestos = loss

NEATE can't politically take public position
except most protection.

LS
We're keeping people
updated, v.s.
asking for
"endorsement"

If name
→ Marcus P.

Charles Lee/DC/USEPA/US
06/09/2008 09:57 AM

To Granta Nakayama/DC/USEPA/US@EPA
cc Catherine McCabe/DC/USEPA/US@EPA, Lynn
Buhl/DC/USEPA/US@EPA, Margaret
Schneider/DC/USEPA/US@EPA, Heather
bcc
Subject Engaging NEJAC on Alternative Asbestos Control Method
(AACM)

Grant

I spoke with Larry Starfield to get background and his thoughts regarding Marcus' idea of engaging NEJAC on the AACM. I want to provide you a heads up regarding his reaction. The short way to summarize his response is that this is probably not a good idea. I will go into the reasons why when we can succinctly present them. Nor, to the best of his knowledge, was the idea of engaging the NEJAC initiated from Region 6. Region 6 has pursued the strategy of quieting keeping EJ leaders in the loop on this project, which I think is the best approach given all the complexities and the combustible nature of the subject. OEJ will work out an initial recommendation and run it by Larry. In any event, we agreed that whatever the recommendation is, it would be done jointly by Region 6 and OECA/OEJ.

Also, I will run this idea by Richard Moore, the NEJAC Chair, and some of the more seasoned members when the NEJAC meets this week and provide a report on their feedback.

Charles

Charles Lee
Director
Office of Environmental Justice
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW (MC 2201A)
Ariel Rios Building South, Room 2226
Tel: [REDACTED]
Fax: 202-564-1624

NOTICE: This communications may contain privileged or other confidential information. If you are not the intended recipient, or believe that you have received this communications in error, please delete the copy you received and do not print, copy, retransmit, disseminate, or otherwise use the information contained herein. Thank you.

Richard
Greene/R6/USEPA/US
Sent by: Richard1 Greene

06/09/2008 04:41 PM

To peacock.marcus@epa.gov
cc
bcc Lawrence Starfield/R6/USEPA/US
Subject Update to EJ Partners on the Status of Research on AACM

Marcus,

Below is some information that Larry Starfield has recently provided to Charles Lee that may help answer a question that I understand you have asked about engaging members of the Environmental Justice communities in our AACM project. We have gotten good participation and are continuing our interaction with those identified in this recent correspondence.

Our approach has been to invite the participation of those in and around the areas where we have conducted the test projects as well as others we believe would be interested. Please let me know if you would like to see other information about these efforts.

Richard Greene
Regional Administrator
US EPA Region 6
1445 Ross Avenue
Dallas TX 75202-2733

██████████ Voice
██████████ Mobile

----- Forwarded by Lawrence Starfield/R6/USEPA/US on 06/05/2008 05:49 PM -----

Lawrence
Starfield/R6/USEPA/US
05/27/2008 10:49 AM

To Charles Lee
cc hook.Jonathan@epa.gov, augurson.shirley@epa.gov
Subject Update to EJ Partners on the Status of Research on AACM

Charles,

I wanted to share with you the materials we sent out recently to our EJ partners on the progress of our research regarding the Alternative Asbestos Control Method (AACM). This is part of our effort to keep the EJ community aware of what is happening with this project, and to invite any requests for further information. Attached is a copy of a Project Update, which includes the timetable for upcoming activities. We sent the update to the five EJ leaders with whom we discussed the project last fall: Richard Moore, Wilma Subra, Marylee Orr, Susanna Almanza, and Juan Parras. (I'm attaching, FYI, a copy of the cover letter to Richard, which is typical of the letters to each member of that group.)



AACM EJ Updated 5.12.08.doc



AACM EJ ltr Richard Moore 5 08.pdf

We also sent the update, plus a shorter cover letter, to about 45 EJ contacts throughout the Region, as well as to the EJ coordinators for each of our five States. I've included, FYI, a copy of the cover letter to Stephen Bradberry, which is typical of the letters to that group.



AACM EJ ltr Stephen Bradberry 5 08.pdf

If you have any questions, please call me, Jonathan Hook, or Shirley Augurson at 214-665-2100.

Larry

Larry Starfield
Deputy Regional Administrator
EPA Region 6
Dallas, Texas
214-665-2105

Lawrence
Starfield/R6/USEPA/US
05/27/2008 10:49 AM

To lee.charles@epa.gov
cc hook.Jonathan@epa.gov, augurson.shirley@epa.gov
bcc
Subject Update to EJ Partners on the Status of Research on AACM

Charles,

I wanted to share with you the materials we sent out recently to our EJ partners on the progress of our research regarding the Alternative Asbestos Control Method (AACM). This is part of our effort to keep the EJ community aware of what is happening with this project, and to invite any requests for further information. Attached is a copy of a Project Update, which includes the timetable for upcoming activities. We sent the update to the five EJ leaders with whom we discussed the project last fall: Richard Moore, Wilma Subra, Marylee Orr, Susanna Almanza, and Juan Parras. (I'm attaching, FYI, a copy of the cover letter to Richard, which is typical of the letters to each member of that group.)



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If you have any questions, please call me, Jonathan Hook, or Shirley Augurson at 214-665-2100.

Larry

Larry Starfield
Deputy Regional Administrator
EPA Region 6
Dallas, Texas
214-665-2100

**Alternative Asbestos Control Method Project
Environmental Justice Update
May 2008**



The Region 6 EPA Regional Administrator has a commitment to communicate and share information with parties impacted by or interested in the "Alternative Asbestos Control Method," or AACM. This update is part of that effort.

Background

The AACM is a research project whose purpose is to collect scientific data on an alternative method to demolish abandoned, dilapidated buildings containing asbestos. If the method is found to be equivalent to the current asbestos National Emission Standard for Hazardous Air Pollutants (NESHAP), then the AACM could potentially accelerate the demolition of many abandoned buildings around the nation that currently present a variety of serious risks to nearby residents. These former blighted areas would then be available for redevelopment, potentially creating new jobs and tax revenue for communities across the country.

Region 6 and the Office of Research & Development (ORD) partnered on the selection and implementation of the research method at three locations in Region 6: two at a federal installation in Arkansas and one in a community in Texas. Each of the three demonstrations was carried out in coordination with state and local government and regulatory authorities. In the case of the Fort Worth project, the City conducted the demolition, and EPA performed the environmental monitoring.

Coordination with Environmental Justice Leaders

In the fall of 2007, the Regional office conducted an outreach effort with key Environmental Justice (EJ) leaders in Region 6 to share information about this research project and to seek input on planned outreach for an AACM demonstration project in a neighborhood of Fort Worth, Texas. The discussion included EPA's strategy for notifying impacted community members and providing a forum for community input to City officials and EPA. The site, 5901 Boca Raton Boulevard (pictured above), is in a residential area surrounded by homeowners, apartments and duplexes. This area has been the focus of redevelopment efforts by the City of Fort Worth.

The EJ stakeholders recognized potential benefits to impacted communities should the AACM be found equivalent to the existing NESHAP. The stakeholders requested clarification and additional specifics to the AACM methodology for future discussion. They also recommended outreach in a broader sense to interested parties.

All of the recommendations have been shared with ORD to address in future project reports.

Building on outreach efforts to EJ leaders, the following steps were taken:

- Region 6 EJ staff were added to the AACM communications outreach team, project site visits, project meetings, etc.,
- The Region provided EJ stakeholders with written project information and links to the EPA AACM website for review and comment,
- Project briefings were completed for Regional EJ stakeholders, with Region 6 senior managers, project manager and EJ management participating.

Next Steps

The report on AACM Demonstration Project #1 has been completed and peer-reviewed, and is available on the EPA website at: www.epa.gov/region6/6xa/asbestos-proj-3.htm.

Data is currently being compiled for preparation of the Draft Reports on Demonstration Projects #2 and #3. The following table outlines the projected schedule of upcoming activities:

Project Plan for AACM Activities	AACM Demo #2	AACM Demo #3
Draft report web posting	June 2008	June 2008
Peer review schedule posted	June 2008	June 2008
Public Notice/Public Meeting posted (peer review)	June 2008	June 2008
Public Notice closes (30 day)	July 2008	July 2008
Peer review panel convened	July/August 2008	July/August 2008
Peer review draft report complete	October 2008	October 2008
Final EPA report	October 2008	October 2008

NOTE: *Schedule subject to change.*

Regional Contacts

Shirley Augurson, Region 6
Associate Director, Environmental Justice
augurson.shirley@epa.gov
(214) 665-7401

Adele Cardenas Malott, Region 6
Asbestos Project Manager
cardenas.adele@epa.gov
(214) 665-7210

Please visit our website at: <http://www.epa.gov/region6/6xa/asbestos-proj-3.htm>.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

MAY 15 2008

Richard Moore
Southwest Network for Environmental and Economic Justice
P.O. Box 7399
Albuquerque, NM 87194

Dear Richard Moore:

I am writing to provide you with an update regarding the Alternative Asbestos Control Method (AACM) research the Agency has been working on. We discussed with you in November/December timeframe the background regarding the AACM as well as the selection of the third demolition site in Fort Worth, Texas. Attached is a status update, which includes the schedule for the Peer Review activities for Demolition #2 and Demolition #3, for the environmental justice community members in Region 6. We wanted to take this opportunity to thank you for participating with us in sharing your thoughts and suggestions pertaining to this research activity. We have provided your input to our Office of Research & Development to incorporate suggestions on how to clarify aspects on the science for the agency's partners at large.

We hope that this information is helpful. If you would like to discuss this further, please feel free to contact Adele Cardenas Malott, P.E., Asbestos Project Manager-Region 6, at (214) 665-7210, Roger Wilmoth, EPA's Office of Research & Development in Cincinnati, Ohio, at (513) 569-7509, or myself at (214) 665-7401. We also would be more than happy to meet with you in person to discuss. If such a meeting interests you, once again, please contact either of the project representatives listed above.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Shirley Augurson".

Shirley Augurson
Shirley Augurson
US EPA - Region 6 - OEJ
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

MAY 1 6 2004

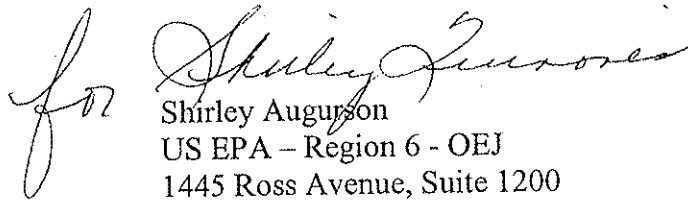
Stephen Bradberry
ACORN
1024 Elysian Fields
New Orleans, LA 70117

Dear Stephen Bradberry:

I am writing to provide you with information regarding the Alternative Asbestos Control Method (AACM) research the Environmental Protection Agency has been working on. Attached is a status update that we hope will be helpful to you in understanding this proposed new method for removing asbestos.

If you would like to discuss this further, please feel free to contact Adele Cardenas Malott, P.E., Asbestos Project Manager-Region 6, at (214) 665-7210, Roger Wilmoth, EPA's Office of Research & Development in Cincinnati, Ohio, at (513) 569-7509, or myself at (214) 665-7401. We also would be more than happy to meet with you in person to discuss. If such a meeting interests you, once again, please contact either of the project representatives listed above.

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Shirley Augerson
US EPA - Region 6 - OEJ
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Lawrence
Starfield/R6/USEPA/US
05/27/2008 10:49 AM

To lee.charles@epa.gov
cc hook.Jonathan@epa.gov, augurson.shirley@epa.gov
bcc
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AACM EJ ltr Stephen Bradberry 5 08.pdf

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214-688-2100

Larry

Larry Starfield
Deputy Regional Administrator
EPA Region 6
Dallas, Texas

214-688-1266



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
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MAY 15 2008

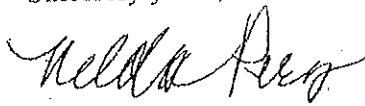
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Sincerely yours,


Shirley Augurson
US EPA - Region 6 - OEJ

1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Alternative Asbestos Control Method Project Environmental Justice Update May 2008



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The EJ stakeholders recognized potential benefits to impacted communities should the AACM be found equivalent to the existing NESHAP. The stakeholders requested clarification and additional specifics to the AACM methodology for future discussion. They also recommended outreach in a broader sense to interested parties.

All of the recommendations have been shared with ORD to address in future project reports.

Sample Number	Sample Volume	Structures Counted-1 st run (a)	Structures Counted-2 nd run (b)	Variability
TB-Air-M06-4L	3053.71	0	4	2.0
TB-Air-M08-4L	3016.72	0	8	2.8
TB-Air-M11-4L	3074.09	0	3	1.7
TB-Air-M12-4L-DUP	2986.18	0	7	2.6
TB-Air-M15-4L	3066.36	3	18	3.3
TB-Air-M17-4L	3058.25	0	5	2.2
TB-Air-M17-4L-DUP	3030	0	5	2.2
TB-Air-M18-4L	2987.21	0	5	2.2

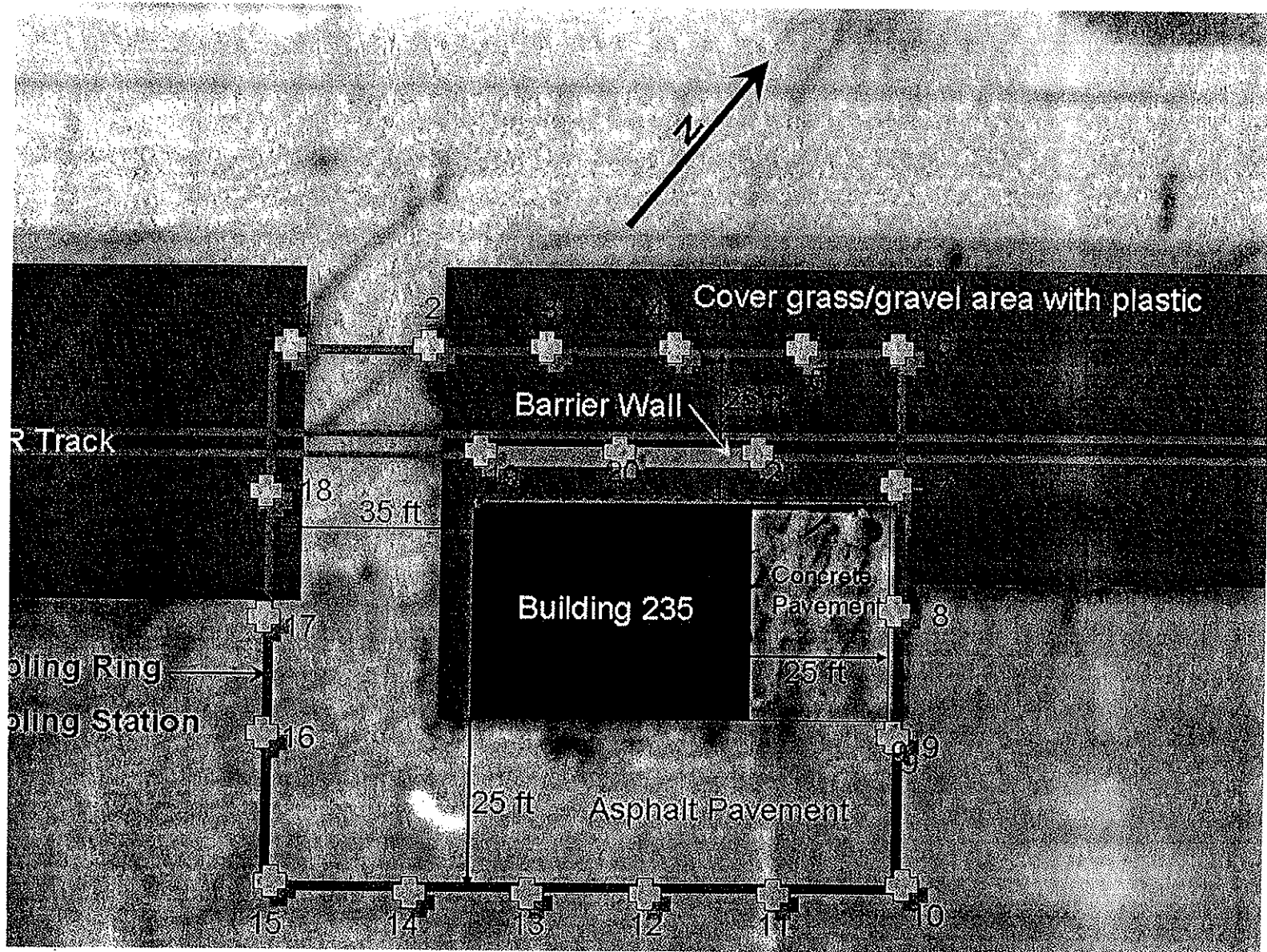
ACCEPTED ANALYTICAL VARIABILITY FOR SAMPLE RE-ANALYSIS*

Type of Sample	Accepted Variability
Air Samples	Interlaboratory duplicate, co-located 2.50

Note: These accepted variabilities will be used as guidelines to assess data quality: no data will be automatically excluded without thorough review.

$$\text{Analytical Variability} = \frac{\text{Analysis A} - \text{Analysis B}}{\sqrt{\text{Analysis A} + \text{Analysis B}}}$$

Some fibers were there.



How to Get Involved

EPA would like your input on the AACM. An independent panel of experts will conduct a peer review of the pilot research projects and take public comments. Public comment on Pilot Project #2 will begin soon.

To receive information, including specific instructions for how and where to submit comments once the public comment periods open, please visit the AACM website:
<http://www.epa.gov/region6/6xa/asbestos-proj-3.htm>.

The following schedule outlines the approximate dates of peer review and public involvement for the pilot research projects.

Timeline for Alternate Asbestos Control Method Pilot Research Projects

Pilot Projects	
AACM Pilot Project #1 – Fort Chaffee, AR	Completed April 2006
AACM Pilot Project #2 – Fort Chaffee, AR	Completed July 2007
AACM Pilot Project #3 – Fort Worth, TX	Completed December 2007
Peer Review and Public Comment Period	
Project #1 EPA Draft Report Published	Completed May 2007
Project #1 30-day Public Comment Period	Completed May 2007
Project #1 Public Meeting/Peer Review	Completed June 2007
Project #1 Peer Review Report Published	Completed August 2007
Project #1 EPA Final Report Published	Completed January 2008
Project #2 EPA Draft Report Published	April 2008
Project #2 30-day Public Comment Period	May 2008
Project #2 Public Meeting/Peer Review	May 2008
Project #3 EPA Draft Report Published	May 2008
Project #3 30-day Public Comment Period	June 2008
Project #3 Public Meeting/Peer Review	June 2008
Projects #2 and #3 Peer Review Report Published	July 2008
EPA Published Final AACM Report on Projects #2 and #3	October 2008

For More Information, Contact:

EPA REGION 6
 Adele Cardenas Malott, P.E.
 Project Manager
 214-665-7210
Cardenas.Adele@epamail.epa.gov

EPA OFFICE OF RESEARCH & DEVELOPMENT

Roger Wilmoth
 Senior Research Engineer
 513-569-7509
Wilmoth.Roger@epamail.epa.gov

OR VISIT THE AACM WEBSITE
<http://www.epa.gov/region6/6xa/asbestos-proj-3.htm>



AACM

Alternative Asbestos Control Method (AACM) Research

AACM is an alternative best practice asbestos control method developed by EPA Office of Research & Development, EPA Office of Air Quality Planning & Standards, EPA Office of Enforcement & Compliance Assurance, and EPA Region 6.

AACM is for buildings 1-3 stories tall and includes these elements:

- Removal of accessible friable asbestos materials
- Wetting remaining material with soapy water before, during, & after demolition
- Containing and treating wastewater
- Removal of 3+ inches of soil after demolition
- Properly disposing of contaminated materials in an asbestos landfill



Background

- Existing Asbestos NESHAP is a work practice standard (not an ambient air quality standard), developed in 1973
- The NESHAP can be slow and expensive
- Old buildings often deteriorate to the point where Communities can declare them in imminent danger of collapse, at that point they are allowed to demolish them without any asbestos removal
- If a new demolition method controls air emissions of asbestos as well as the NESHAP it could be an alternative that would result in more old buildings undergoing demolition sooner, with asbestos removal and controls
- EPA is testing the alternative method on buildings with different kinds of regulated asbestos-containing material (e.g., friable; popcorn).

AACM Pilot Research Projects

- EPA conducted a side-by-side research demonstration of AACM and NESHAP on identical asbestos-containing buildings at Fort Chaffee, Arkansas (Pilot Research Project #1 April 2006). The buildings had Asbestos-containing wall systems and vinyl asbestos tile. The results of pilot research project #1 were favorable.
- EPA conducted a second demonstration of AACM at Fort Chaffee (Pilot Research Project #2 July 2007). The building had asbestos transite siding. The results of project #2 will be available in April 2008.
- EPA conducted a third demonstration of AACM in Fort Worth, Texas (Pilot Research Project #3 December 2007). The building had asbestos-containing popcorn ceilings, troweled-on wall surfacing and roof flashing. The results of project #3 will be available in June 2008.

DRAFT / March 12, 2008

Pilot Project #1

ENVIRONMENTAL RESULTS:

The airborne asbestos concentrations measured during both the NESHAP and the AACM demolition processes were near or below the detection limit; both being orders of magnitude below any EPA existing health or performance criterion. No visible emissions were observed during the AACM processes.



Parameter	More Effective		Equal
	NESHAP	AACM	
Visible Emissions			✓
Asbestos in Air			✓
Asbestos in Settled Dust			✓
Asbestos in Soil		✓	
Asbestos Debris in Soil		✓	
Asbestos in Worker Breathing Zone		✓	
Non-Asbestos Particulate in Air	✓		
Time		✓	
Cost		✓	

Preliminary Conclusions from AACM Research

The AACM:

- Could often cost less than the existing NESHAP*
- Likely to be far faster*
- Likely be equivalent in environmental protection and safer for workers*

Next Steps for AACM Research

Results and Draft Report for Pilot Research Project #2

- Targeted April 2008
- Peer Review Process/Public Notice

Results and Draft Report for Pilot Research Project #3

- Targeted June 2008
- Peer Review Process/Public Notice

Project Plan for AACM Activities	AACM 3	AACM 2
Draft report from ORD to R6	June 1, 2008	June 16, 2008
Peer review work assignments complete	June 1, 2008	June 16, 2008
R6 review of draft report complete	June 15, 2008	June 30, 2008
Draft report completed by ORD	June 30, 2008	July 15, 2008
Public Notice (peer review)	July 15, 2008	July 30, 2008
Public Notice closes	August 15, 2008	August 30, 2008
Peer review panel convened	August 16, 2008	September 1, 2008
Peer review draft report complete	September 30, 2008	October 15, 2008
Final EPA report	November 30, 2008	December 15, 2008

Project Plan for AACM Demolitions

Milestones	Activity Description	Timeframe
Demolition #2	Demolition at Fort Chaffee (Transite)	July 2007 - Completed
	Draft Report for Demo #2	May 2008 -
	Public Comment Period	May 2008 -
	Peer Review Public Meeting	May 2008 -
	Peer Review Panel Final Report	July 2008 -
	EPA Final Report for Demo #2	October 2008 -
Demolition #3	Demolition at Fort Worth (Popcorn)	December 17, 2007 - Completed
	Draft Report for Demo #3	June 2008 -
	Public Comment Period	June 2008 -
	Peer Review Panel Discussion (paper review)	June 2008 -
	Peer Review Panel Final Report	July 2008 -
	EPA Final Report for Demo #3	October 2008 -

Can you please confirm from the OSP perspective if we need to follow the same peer review process as before? Also, if you can give me an idea of the process that we will need to follow to secure the funds for this peer review.

The Region was very clear that they will provide the funds for most of the other costs related to the project but not the peer review.

As well as we can identify, this should be the last request of this nature.

Thanks,
Sally

Lawrence
Starfield/R6/USEPA/US
06/10/2008 02:30 PM

To Pat Gaspar/R6/USEPA/US
cc
bcc
Subject Fw: Update to EJ Partners on the Status of Research on
AACM

Pls print
Sent by EPA Wireless E-Mail Services
Richard1 Greene
----- Original Message -----

From: Richard1 Greene
Sent: 06/10/2008 10:42 AM EDT
To: "Larry Starfield" <starfield.lawrence@epa.gov>
Subject: Fw: Update to EJ Partners on the Status of Research on AACM

Marcus Peacock
----- Original Message -----

From: Marcus Peacock
Sent: 06/10/2008 08:41 AM EDT
To: Richard Greene
Cc: Richard Greene
Subject: Re: Update to EJ Partners on the Status of Research on AACM

Thanks for the update. Charles seems to have a good feel for what to ask NEJAC and what not to ask NEJAC. I don't need further info unless you start to feel this is getting off track.

Richard Greene/R6/USEPA/US

Richard
Greene/R6/USEPA/US
Sent by: Richard1 Greene

To peacock.marcus@epa.gov
cc
Subject Update to EJ Partners on the Status of Research on AACM

06/09/2008 05:41 PM

Marcus,

Below is some information that Larry Starfield has recently provided to Charles Lee that may help answer a question that I understand you have asked about engaging members of the Environmental Justice communities in our AACM project. We have gotten good participation and are continuing our interaction with those identified in this recent correspondence.

Our approach has been to invite the participation of those in and around the areas where we have conducted the test projects as well as others we believe would be interested. Please let me know if you would like to see other information about these efforts.

Richard Greene
Regional Administrator
US EPA Region 6

1445 Ross Avenue
Dallas TX 75202-2733

214-665-2100 Voice
214-665-2100 Mobile

----- Forwarded by Lawrence Starfield/R6/USEPA/US on 06/05/2008 05:49 PM -----

Lawrence
Starfield/R6/USEPA/US
05/27/2008 10:49 AM

To: Charles Lee
cc: hook.Jonathan@epa.gov, augurson.shirley@epa.gov
Subject: Update to EJ Partners on the Status of Research on AACM

Charles,

I wanted to share with you the materials we sent out recently to our EJ partners on the progress of our research regarding the Alternative Asbestos Control Method (AACM). This is part of our effort to keep the EJ community aware of what is happening with this project, and to invite any requests for further information. Attached is a copy of a Project Update, which includes the timetable for upcoming activities. We sent the update to the five EJ leaders with whom we discussed the project last fall: Richard Moore, Wilma Subra, Marylee Orr, Susanna Almanza, and Juan Parras. (I'm attaching, FYI, a copy of the cover letter to Richard, which is typical of the letters to each member of that group.)

[attachment "AACM EJ Updated 5.12.08.doc" deleted by Marcus Peacock/DC/USEPA/US] [attachment "AACM EJ ltr Richard Moore 5 08.pdf" deleted by Marcus Peacock/DC/USEPA/US]

We also sent the update, plus a shorter cover letter, to about 45 EJ contacts throughout the Region, as well as to the EJ coordinators for each of our five States. I've included, FYI, a copy of the cover letter to Stephen Bradberry, which is typical of the letters to that group.

[attachment "AACM EJ ltr Stephen Bradberry 5 08.pdf" deleted by Marcus Peacock/DC/USEPA/US]

If you have any questions, please call me, Jonathan Hook, or Shirley Augurson at 214-665-2100.

Larry

Larry Starfield
Deputy Regional Administrator
EPA Region 6
Dallas, Texas

AACM - Peer Review

Adele
Cardenas/R6/USEPA/US
03/31/2008 12:59 PM

To vargo.steve@epa.gov, Myron
Knudson/R6/USEPA/US@EPA, Tameka
Lewis/R6/USEPA/US@EPA
cc
bcc Lawrence Starfield/R6/USEPA/US
Subject Fw: Peer review of AACM 2 & 3

FYI - Adele

----- Forwarded by Adele Cardenas/R6/USEPA/US on 03/31/2008 12:59 PM -----

Roger Wilmoth/CI/USEPA/US



03/31/2008 12:58 PM

To Adele Cardenas/R6/USEPA/US@EPA, Carl
Edlund/R6/USEPA/US@EPA
cc
Subject Fw: Peer review of AACM 2 & 3

FYI

Rog

Roger C. Wilmoth, Senior Research Engineer
US Environmental Protection Agency, MS445
National Risk Management Research Laboratory
26 W. Martin L. King Dr.
Cincinnati, Ohio 45268
Phone 513-569-7509 Fax 513-569-7471
Email wilmoth.roger@epa.gov

----- Forwarded by Roger Wilmoth/CI/USEPA/US on 03/31/2008 01:57 PM -----

Sally Gutierrez/CI/USEPA/US

03/31/2008 01:23 PM

To Jeff Morris/DC/USEPA/US@EPA
cc Kevin Teichman, Erik Winchester/DC/USEPA/US@EPA,
Roger Wilmoth/CI/USEPA/US@EPA, Patricia
Erickson/CI/USEPA/US@EPA
Subject Peer review of AACM 2 & 3

Jeff,

On Friday, I participated on a call with Region 6 staff on the AACM project to discuss the actions needed to complete the studies. The completion of this project is a high priority for the Region this year. One of the critical pieces is the peer review of the AACM 2 and 3 reports.

My understanding is that the peer review process for the first report was formulated by OSP in accordance with the Peer Review Handbook. Since the next two reports are of the same stature as the first, it seems appropriate to follow the same process. For the first report, the ORD front office provided the funds for the peer review. Due to the timing of completion of the reports, both will be ready at about the same time and can be peer reviewed at the same time. This will save substantial cost.

Training for Class II work: In developing the revised standards, OSHA noted that asbestos abatement workers often remove large amounts of the higher hazard materials such as thermal system ACM and sprayed-on ACM and other ACM having somewhat lower exposure potential such as siding, wallboard and other building materials. For this group of workers OSHA continues to believe that training equivalent to that of EPA's asbestos abatement worker training is appropriate.

However, some workers will remove only ACM which is not TSI or surfacing ACM. For those whose work involves removal of only a single generic type of material, OSHA specified that an 8 hour training course would be acceptable. OSHA continues to believe that this time period is necessary for training of workers whose duties include removal of building materials such as roofing, flooring, siding, transite panels and ceiling tiles.

However, it has been brought to the agency's attention that there are some other types of materials other than those listed ACM building components. These other materials include gaskets, fire doors, laboratory hoods, and other materials (for example, see list in Ex. 1-183, EPA's "Greenbook" Appendix G, page 40). However, covering all required training for those other materials is generally not assumed to take 8 hours. The training for these materials continues to require covering all topics in (k)(9)(viii) of the Construction and Shipyard Employment Standard, all pertinent work practices and other controls and must have a "hands-on" component. OSHA believes that such training would be likely to require at least 4 hours to adequately cover the

topics, methods, and hands-on portion. OSHA also recognizes that many different operations will be covered in this type of training and that the time required for adequate training

Training for Class III Work: OSHA has reviewed the training requirements for Class III work for employers with a stable work force which infrequently encounters limited types of asbestos and generates less than a waste bag full of dust and debris (OSHA notes that the waste bag dimensions must not exceed 60" by 60"). These operations occur at various locations such as refineries, power plants, or in the communication industry and may involve rapidly completed operations such as removal of a small gasket from a pipeline or drilling a hole in a shingle to run a cable through it. In submissions to the record, participants (e.g., Exhibits 7-21, 7-99, 7-101, 127, 145) presented sampling data indicating these exposures were well-controlled by the use of work practices by workers trained under the provisions of the earlier standards. The standards require training equivalent to EPA's "O&M" training as outlined in 40 CFR 763.92. This training, which was originally intended to serve as part of an operation and maintenance program for schools, provides a basis for training for those operations in most other buildings and facilities. However, OSHA has reevaluated the requirements for this training in light of the fact that Class III operations under its standards include different activities than managing installed asbestos containing building materials in place. This 16 hour course may not serve to properly prepare those whose duties include other activities such as changing an intact gasket, in a

pipeline, replacing packings or making occasional small opening in shingles to run lines. On the other hand, these jobs often involve only small amounts of asbestos and are usually brief in duration, infrequent, and often take place out of doors requiring different skills so that some of the requirements of the 16 hour course are not relevant. OSHA has clarified that, as for other provisions of the standards, employers may rely on their well-trained competent persons to decide whether the O&M-type course is appropriate to these tasks. If it is determined that the curriculum, equivalent to that of 40 CFR 763.92 does not adequately cover the topics and work practices needed in an operation, the employer's competent person may certify that the training contained in (k)(9)(viii) is more applicable to that situation and may opt to designate this training, as long as the specific work practices, other controls necessary and "hands-on" training will be adequately covered. OSHA anticipates that the duration of the training will to some extent, reflect the complexity and hazard of the operation, but would be likely to require at least 4 hours of initial training to adequately cover the topics, methods, and hands-on portion. However, the duration of such training is not specified. Annual refresher training for this group of workers is required, without specified duration.

are certainly routine shortcuts being taken by contractors in their compliance (noncompliance) with NESHAP. Certainly jurisdictions for NESHAP enforcement (State & Local) vary in their interpretation of nonfriable Category 1 & 2 materials. Some routinely permit wallboard to remain in place during a building demolition. Some do not. Some require the removal VAT, some do not. Your work will enable discussion of these interpretations to be put into a perspective that can actually refer to a body of information compiled by a reliable source.

I did not feel that the "bias" identified by peer reviewers was evident. In fact I feel that the opposite is the case. If there are indications of bias (this is a big "if") in the report I believe they are unintentional. However, the peer reviewers also need to examine their own positions and attitudes. All of the peer reviewers derive their income and professional standing (to some degree) from being actively engaged in the asbestos control industry--just as I do. As the saying goes "change is a bitch". Being skeptical/critical is a helpful point of view when evaluating something new that represents a departure from established practices. When you do this it is also essential to acknowledge your stake or bias (you choose the case) in order to be clear about your point of view. If there are claims of "bias" in AACM the source should be considered--no disrespect intended to any of the people who gave up their time and made a commendable effort. I think this is particularly the case with Mr. Oberta's comments. A cynical person might observe that by repeatedly referring to ASTM standards he is simply promoting his own business since he was the chair of the committees that created these standards; he also conducts training for them. While the reviewers certainly have the expertise they also carry their own baggage.

I think there is also a misinterpretation of the OSHA 1926.1101 with regards to training & work practices for flooring materials. I would advise a review of the OSHA Instructional CPL 2-2.63 CH-1 January 9, 1996 document. The settlement agreement reached with the flooring industry contains the curriculum for training workers in floor removal (workers 8-hrs, supervisors 12-hrs). The reference in 1926.1101 to "compliant work practices" refers to the procedures put together by the Resilient Flooring Institute (available on their website). These refer to manual methods of floor removal and wet methods, etc., and was the basis for the negative exposure assessment granted by OSHA. I do not think they envisioned a track hoe crunching down a building with these materials in place because this could crush/pulverize the flooring. I don't want to pick nits but this may be something to evaluate. I could be wrong, but I doubt that a mechanical method is acceptable and would not be included in the negative exposure assessment. If this is the case you will need to do some personal monitoring on your workers during the AACM demolition to establish a base line. After evaluating that data you can make decisions (negative exposure assessment) and may down grade PPE. Your current air monitoring record is useful but it is not the ORM approach. It may be a valuable supplement. I suspect OSHA would want monitoring for most AACM demolitions since each demolition may have different circumstances. This would prevent using one work site data as representative of a different work site.

If the Settlement Agreement Training Curriculum is not appropriate for the AACM process for flooring OSHA has provided an alternative. See the attached for details. The AACM is different enough from standard floor removal practices to warrant its own training curriculum (the procedures are very different from the Resilient Flooring Institute methods).

I also wonder if the definitions "friable" and "intact" need to be reconciled in AACM process (if in fact they can ever be reconciled). Intact, as used by OSHA refers, to the matrix of a material that is disturbed having properties that prevent the release of asbestos fiber. Your air monitoring suggests this is the case. The Oregon DEQ has a peculiar guideline for floor tile, i.e., break it into 4 or more pieces and it is friable. Who knows if this standard prevents the release of fiber...it is simply a compliance issue in Oregon. Do the small bits of VAT in the soil (from both the NESHAP & AACM) represent intact pieces of tile? Or are they shattered tile that is now friable. I have no answers. I can see how this may turn into an issue in different NESHAP jurisdictions.

Continue the interesting work you are doing because it may result in new safe alternatives for demolition work.

Please contact me if you have any questions.

David Stover
Director of Training
david_stover@pbsenv.com
503.417.7593

PBS Engineering + Environmental
Engineering | Natural Resources | Environmental | Health and Safety
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4412 SW Corbett Ave. Portland OR, 97239
ph: 503.248.1939 : fax: 503.248.0223

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Lawrence
Starfield/R6/USEPA/US

04/06/2008 12:39 PM

To Pat Gaspar/R6/USEPA/US

cc

bcc

Subject Fw: AACM

Pls print

Sent by EPA Wireless E-Mail Services

Roger Wilmoth

----- Original Message -----

From: Roger Wilmoth

Sent: 04/06/2008 11:51 AM EDT

To: Adele Cardenas; Sally Gutierrez; Patricia Erickson;
Greene.Richard@epamail.epa.gov@EPA; Lawrence Starfield; Carl Edlund; Steve
Vargo; David Gray; Patricia Schultz; David Ferguson; Lauren Drees; Glenn
Shaul; William Barrett; Gordon Evans; David Eppler; Mark Hansen; Phyllis
Flaherty; Pam Mazakas; Kevin Teichman

Subject: Fw: AACM

Finally, someone had the gear to speak up.

Rog

Roger C. Wilmoth, Senior Research Engineer
US Environmental Protection Agency, MS445
National Risk Management Research Laboratory
26 W. Martin L. King Dr.
Cincinnati, Ohio 45268
Phone 513-569-7509 Fax 513-569-7471
Email wilmoth.roger@epa.gov

----- Forwarded by Roger Wilmoth/CI/USEPA/US on 04/06/2008 11:44 AM -----



"David Stover"

<David_Stover@pbsenv.com

>

To Roger Wilmoth/CI/USEPA/US@EPA

cc

04/04/2008 04:55 PM

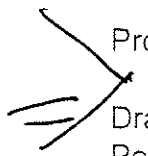
Subject AACM

Mr. Wilmouth,

Congradulations for taking this on and continuing the effort. I think the NESHAP has needed to be reexamined and revised for years. You have done a very professional job and have performed an important service.

I have read the documents compiled about the AACM Projects that the EPA Region 6 is conducting and have some observations to offer.

The observations (peer reviews) about the AACM also speak to the fact that as currently practiced there



Project Plan for AACM Activities

Draft report from ORD/R6 webposting
Peer review schedule posted

Public Notice (peer review)

Public Notice closes

Peer review panel convened

Peer review draft report complete

Final EPA report

AACM 3

May-08

Jun-08

Jun-08

Jun/July-08

July/Aug-08

Oct-08

Oct-08

AACM 2

May-08

Jun-08

Jun-08

Jun/July-08

July/Aug-08


Oct-08

Oct-08

re-analysis -

Roger report -

Kevin - phase 8 in
a workbook
|| Calc. of panel members.
(20K)

Fill in reg agenda. 
Stewart

Environmental Justice Conference Calls Summary AACM Briefing

1. October 23, 2007 – Richard Moore, Larry Starfield, Shirley Augurson, Carl Edlund, Steve Vargo, Tameka Lewis, Adele Cardenas Malott

NOTES:

- Strategic planning discussion with EJ representatives to provide a forum of exchanging information on the Alternative Asbestos Control Method research activities in a much broader sense.
- The Agency would like to network with the Environmental Justice network to be involved – potential briefing opportunity with the RA/DRA.
- Continue to build positive working relationships with the EJ network.
- Next steps – begin with a small group of Region 6 EJ contacts such as Juan Parra out of Houston, Wilma Subra from Louisiana, Mary Lee Orr another contact in Louisiana as a start, may consider a discussion with Jose Bravo in San Diego, CA.
- Provide any documents that would provide additional information on the AACM to these contacts and schedule conference calls for briefings and begin dialogue.
- The DRA mentioned that the direction that EPA was taking was to review the science and the method first (public participation/peer review) and then the Agency would determine if policy would be considered to incorporate the AACM into the Asbestos NESHAP.
- The DRA mentioned that the areas of concern for a majority of communities across the country have a priority list with buildings which place a majority of these buildings in blighted areas which happen to impact environmental justice communities.

2. November 16, 2007 – Wilma Subra, Mary Lee Orr, Larry Starfield
Shirley Augurson, Nelda Perez, Adele Cardenas Malott, Steve Vargo, Tameka Lewis

NOTES:

- Wilma Subra raised the issue that the Brownfield's Workshops – polluted sites for re-use or renovation activities should be informed of this research activity. How would this aspect of the AACM be incorporated into the Re-Use process and accessible?
- Wilma Subra also requested that EPA clarify the foam material – water with surfactant agent- soapy water substance – describe in more detail in the AACM process.
- Another topic was why the limitation to 1-3 stories?

- If holes or ruts occur during the construction and preparation of the site or during the AACM process what considerations will be reviewed and included on the soil conditions that may surround potential project sites? Should any additional steps be considered dependant on the soil type?
 - Berm construction – does this mean leak proof?
 - Clarify the actual disposal of the material under the AACM process.
 - A research test case – agency conducted high intensity of air monitoring – is there a possibility that perimeter monitoring would be needed under the AACM if it becomes policy?
 - Wind direction? Distance to the nearest resident in any of the research conducted? How much room is necessary for the berm to contain the run-off and the water spray?
 - Both the curtain and the berm construction were of interest and would request further discussions with the EJ communities.
3. November 26, 2007 – Juan Parra, Larry Starfield, Carl Edlund, Steve Vargo, Myron Knudson, Shirley Augurson, Nelda Perez, Tameka Lewis, Adele Cardenas Malott

NOTES:

- A brief background on the purpose of the call and a packet of AACM information was provided as additional background for review.
- This research method was not included in the up-coming hearing scheduled in Houston.
- A scheduled briefing was on the calendar for December 18, 2007 in the Regional Office and Mr. Parra requested this subject be added to his agenda for discussion with his folks attending that day.
- Mr. Parra requested when the agency was going to respond to the letter that NRDC sent to Charles Lee in OEJ and the DRA responded that he had no knowledge of the letter from NRDC and would be more than happy to follow-up on status of a response. Mr. Parra agreed to forward a copy to the EPA Region 6 at his earliest convenience.

Building upon the comments of EJ leaders, the following steps were taken:

- * Region 6 EJ staff were added to the AACM communications outreach team, project site visits, project meetings, etc.,
- * The Region provided EJ stakeholders with written project information and links to the EPA AACM website for review and comment,
- * Project briefings were completed for Regional EJ stakeholders, with Region 6 senior managers, project manager and EJ management participating.
- * Communication efforts were enhanced for the third demonstration in Fort Worth, by increasing contacts to local residents via the community associations, apartment notices, City of Fort Worth Website posting for Meetings, and a public meeting was held.

Next Steps

The report on AACM Demonstration Project #1 has been completed and peer-reviewed. That report is available on the EPA websites at: www.epa.gov/region6/6xa/asbestos-proj-3.htm.

The receipt of data in preparation of the Draft Reports on Demonstration Projects #2 and #3 is being compiled now. The following table shows the schedule of activities to come:

Project Plan for AACM Activities	AACM Demo #2	AACM Demo #3
Draft report Web posting	May 2008	May 2008
Peer review Schedule posted	June 2008	June 2008
Public Notice /Public Meeting Posted(peer review)	June 2008	June 2008
Public Notice closes (30 day)	June/July 2008	June/July 2008
Peer review panel convened	July/August 2008	July/August 2008
Peer review draft report complete	October 2008	October 2008
Final EPA report	October 2008	October 2008

NOTE: *Schedule subject to change.*

Questions? Contact us:

Shirley Augurson, Region 6
Region 6
Associate Director, Environmental Justice
augurson.shirley@epa.gov
(214) 665-7401

Adele Cardenas Malott,
Asbestos Project Manager
cardenas.adele@epa.gov
(214) 665-7210

Please visit our website at: <http://www.epa.gov/region6/6xa/asbestos-proj-3.htm>

**Alternative Asbestos Control Method Project
Environmental Justice Update
April 2008**



The Region 6 Regional Administrator has a commitment to communicate and share information with parties impacted by or interested in the "Alternative Asbestos Control Method," or AACM. This update is part of that effort.

BACKGROUND:

The AACM is a research project whose purpose is to collect scientific data on an alternative method to demolish abandoned, dilapidated buildings containing asbestos. If the method is found to be equivalent to the current asbestos National Emission Standard for Hazardous Air Pollutants (NESHAP), then the AACM could potentially accelerate the demolition of many abandoned buildings around the nation that currently present a variety of serious risks to nearby residents. These former blighted areas would then be available for redevelopment, potentially creating new jobs and tax revenue for communities across the country.

Region 6 and the Office of Research & Development (ORD) partnered on the selection and implementation of the research method at three locations in Region 6: two at a federal installation in Arkansas, and one in a community in Texas. Each of the three demonstrations was carried out as a joint effort with state and local government and regulatory authorities. In the case of the Fort Worth project, the City conducted the demolition, and EPA performed the environmental monitoring.

Comment from EJ Leaders

The Regional office conducted an outreach effort in the fall of 2007 with key Environmental Justice (EJ) leaders in Region 6 to share information about this research project, and to seek their views on planned outreach for an AACM demonstration project in a neighborhood of Fort Worth, Texas. The discussion included the steps that would be taken to notify and allow the impacted community members a forum to provide input to the City officials and EPA. The site, 5901 Boca Raton Boulevard (pictured above), is in a residential area surrounded by the Woodhaven homeowners, apartments and duplexes. This area has been the focus of redevelopment efforts by the City of Fort Worth.

The EJ stakeholders were receptive to EPA's approach to testing the AACM. They cited potential benefits to impacted communities should the AACM be found equivalent to the existing NESHAP. They also requested clarification and more specifics to the AACM methodology for future discussion. They also recommended outreach in a broader sense to interested parties.

All of their recommendations have been shared with ORD to address in future project reports.

Addressee .

Dear EJ Representative:

I am writing to provide you with an update regarding the Alternative Asbestos Control Method (AACM) research the Agency has been working on. We discussed with you in November/December timeframe the background regarding the AACM as well as the selection of the third demolition site in Fort Worth, Texas. Attached is a status update, which includes the schedule for the Peer Review activities for Demolition #2 and Demolition #3, for the environmental justice community members in Region 6. We wanted to take this opportunity to thank you for participating with us in sharing your thoughts and suggestions pertaining to this research activity. We have provided your input to our Office of Research & Development to incorporate suggestions on how to clarify aspects on the science for the agency's partners at large.

We hope that this information is helpful. If you would like to discuss this further, please feel free to contact Adele Cardenas Malott, P.E., Asbestos Project Manager-Region 6, at (214) 665-7210, Roger Wilmoth, EPA's Office of Research & Development in Cincinnati, Ohio, at (513) 569-7509, or myself at (214) 665-7401. We also would be more than happy to meet with you in person to discuss. If such a meeting interests you, once again, please contact either of the project representatives listed above.

Sincerely yours,

Shirley Augurson
US EPA – Region 6 - OEJ
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Addressee

Dear EJ Representative:

I am writing to provide you with information regarding the Alternative Asbestos Control Method (AACM) research the Environmental Protection Agency has been working on. Attached is a status update that we hope will be helpful to you in understanding this proposed new method for removing asbestos.

If you would like to discuss this further, please feel free to contact Adele Cardenas Malott, P.E., Asbestos Project Manager-Region 6, at (214) 665-7210, Roger Wilmoth, EPA's Office of Research & Development in Cincinnati, Ohio, at (513) 569-7509, or myself at (214) 665-7401. We also would be more than happy to meet with you in person to discuss. If such a meeting interests you, once again, please contact either of the project representatives listed above.

Sincerely yours,

Shirley Augurson
US EPA -- Region 6 - OEJ
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733



Deborah
Ponder/R6/USEPA/US
05/19/2008 10:31 AM

To Lawrence Starfield/R6/USEPA/US@EPA
cc
bcc
Subject Fw: Cover Letter for EJ One Pager

Larry, our EJ staff had communicated with Adele and Tameka last Thursday and Friday that all the letters went out. Thanks, let me know if you have questions.



cover letter to EJ folks..doc EJ One Pager Cover Letter 5.15.08.doc

Deborah C. Ponder, Deputy Director
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Tameka Lewis/R6/USEPA/US

05/15/2008 01:43 PM

To Nelda Perez/R6/USEPA/US@EPA
cc
Subject Fw: Cover Letter for EJ One Pager



EJ One Pager Cover Letter 5.15.08.doc

Thanks!

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Sample Number	Sample Volume	EMSL Results-08/07		Amerisci Results 12/07		BV Results-05/08	
		Structures Counted	Grid Openings Analyzed	Structures Counted	Grid Openings Analyzed	Structures Counted	Grid Openings Analyzed
TB-Air-M19-4L	3179.48	0	21			0	25
TB-Air-M20-4L	3191.6	1	21			0	25
TB-Air-M21-4L	3261.51	0	20			0	25
TB-Air-BL	0	0	10			0	10
TB-Air-BL	0	0	10			0	10
BG-AIR-M01-8L	6265.36	0	12			0	20
BG-AIR-M02-8L	6345.36	0	12			0	20
BG-AIR-M03-8L	6241.12	0	12			0	20
BG-AIR-M04-8L	6273.5	0	12			0	20
BG-AIR-M05-8L	6262	0	12			35	20
BG-AIR-M06-8L	6270.08	0	12			0	13
BG-AIR-M07-BL	0	0	10			0	10
BG-AIR-M08-BL	0	0	10			0	10

Concave if ≥ 100

sm=4
not surprising

backyard
(away from
water)
parking lot
away from
S.C.

Sample Number	Sample Volume	Structures Counted-1 st run (a)	Structures Counted-2 nd run (b)	Variability
TB-Air-M06-4L	3053.71	0	4	2.00
TB-Air-M08-4L	3016.72	0	8	2.82
TB-Air-M11-4L	3074.09	0	3	1.73
TB-Air-M12-4L-DUP	2986.18	0	7	2.64
TB-Air-M15-4L	3066.36	3	18	4.58
TB-Air-M17-4L	3058.25	0	5	2.23
TB-Air-M17-4L-DUP	3030	0	5	2.23
TB-Air-M18-4L	2987.21	0	5	2.23
BG-AIR-M05-8L	6262	0	35	5.91

ACCEPTED ANALYTICAL VARIABILITY FOR SAMPLE RE-ANALYSIS*

Type of Sample		Accepted Variability
Air Samples	Interlaboratory duplicate, co-located	2.50

Note: These accepted variabilities will be used as guidelines to assess data quality: no data will be automatically excluded without thorough review.

$$\text{Analytical Variability} = \frac{\text{AnalysisA} - \text{AnalysisB}}{\sqrt{\text{AnalysisA} + \text{AnalysisB}}}$$

Fort Chaffee QA/QC Sample Status
As of 5/09/2008

Sample Number	Sample Volume	EMSL Results-08/07		Amerisci Results 12/07		BV Results-05/08	
		Structures Counted	Grid Openings Analyzed	Structures Counted	Grid Openings Analyzed	Structures Counted	Grid Openings Analyzed
TB-Air-M01-4L	3171.4	0	22			0	26
TB-Air-M02-4L	3151.2	0	22			1	25
TB-Air-M03-4L	3131	0	22			0	25
TB-Air-M04-4L	3046.88	1	24			1	26
TB-Air-M05-4L	3048.67	0	23			0	26
TB-Air-M06-4L	3053.71	0	23			4	26
TB-Air-M07-4L	3017.88	0	22			0	27
TB-Air-M08-4L	3016.72	0	22			8	27
TB-Air-M09-4L	3096.15	0	22			0	26
TB-Air-M10-4L	3028.03	0	22			0	26
TB-Air-M11-4L	3074.09	0	22			3	26
TB-Air-M12-4L	3020.83	0	22	10	30	Unable to Analyze/No Filter in Cassette	
TB-Air-M12-4L - DUP	2986.18	0	22			7	29
TB-Air-M13-4L	2962.1	0	23			0	27
TB-Air-M14-4L	3065.83	0	22	12	30	Unable to Analyze/No Filter in Cassette	
TB-Air-M15-4L	3066.36	3	20			18	26
TB-Air-M16-4L	3082.74	0	21	26	30	Unable to Analyze/No Filter in Cassette	
TB-Air-M17-4L	3058.25	0	21			5	26
TB-Air-M17-4L - DUP	3030	0	22			5	26
TB-Air-M18-4L	2987.21	0	22			5	27

Next Steps:

The Interagency Asbestos Work Group (IAWG) is a federal work group that includes EPA and EPA lead is OPPTS and they convene EPA staff nationwide. EPA membership includes members from the TRW membership. Roger Wilmoth and I participated in the IAWG meeting held in Washington, DC on May 5-6, 2008 where it was raised during our AACM presentation that the TRW would pursue with the Science Policy Council that the Peer Review process be completed by the National Science Foundation, which is a two year process, and not through the ORD- Office of Science & Policy, Peer Review process. The TRW membership also plans to submit comments directly thru the SPC membership.

Roger Wilmoth, ORD lead and Adele Cardenas Malott, P.E., Region 6 lead would recommend that the SPC recommend to the TRW membership to submit comments with concurrence directly through their Regional Administrator and Associate Administrators directly to ORD Office of Science & Policy during the planned Peer Review Process.

Science Policy Council

Background:

The Technical Review Workgroup (TRW) is an interoffice workgroup convened by the U.S. EPA Office of Solid Waste and Emergency Response/Office of Superfund Remediation and Technology Innovation (OSWER/OSRTI). Its goal is to support and promote consistent application of the best science in the field of risk assessment for metals and asbestos at contaminated sites nationwide. The TRW is composed of several committees: Lead Committee, Arsenic Committee, Asbestos Committee, and Bioavailability Committee.

Lead Committee Mission

The Lead Committee Mission reviews applications of metals and asbestos risk assessment methodologies at hazardous waste sites. Primarily, these reviews are intended to promote the application of scientifically sound and consistent approaches to risk assessment. The Lead Committee is responsible for developing national guidance and documentation on the structure, application, and validation of the IEUBK model. The Lead Committee reviews applications of other exposure, uptake, and biokinetic models used to assess lead risks at sites in which children are not expected to be the most sensitive population, such as industrial land use scenarios. The Lead Committee also advises Office of Superfund Remediation and Technology Innovation (OSRTI) management on risk assessment concerns for metals and asbestos.

Expertise of the Lead Committee

The principal members of the Lead Committee are technical staff from EPA Regions, Office of Solid Waste and Emergency Response (OSWER) Headquarters, and Office of Research and Development National Center for Environmental Assessment (ORD/NCEA). Lead Committee members generally have an active interest and recognized scientific expertise in metals or asbestos risk assessment.

AAUM #3 - other Min QA, almost done.

I'm a long way from cost comparison figures.

Need data for (lower); then I'd finish.

→ she'll give the numbers ⇒ 2 wk

Time 16 for ^{QA} results AAUM #3

Then I complete final report 6/20

AAUM #2 - dates: June 13 + wk

June 20 + wk

The schedule was coordinated between R6 & ORD, and this is their best guess on how activities will unfold.

Project Plan for AACM Activities

AACM 3

AACM 2

Project Plan for AACM Activities

AACM Demo #2

AACM Demo #3

Draft report web posting

Jun-08

Jun-08

Peer review schedule posted

Jun-08

Jun-08

Public Notice/Public Meeting posted (peer review)

Jun-08

Jun-08

Public Notice closes (30 day)

Jul-08

Jul-08

Peer review panel convened

July/Aug-08

July/Aug-08

Peer review draft report complete

Oct-08

Oct-08

Final EPA report

Oct-08

Oct-08

*Living Document; subject to change (5/28/2008)